

Trade & Industrial Education
Course: Chemistry of Cosmetology
Course Code # 5340
2 or 3 Credits

School Year _____

Term: ____ Fall ____ Spring

*Learning expectations to be completed for two credits are identified with two asterisks (**); those to be completed for three credits are identified with three asterisks (***).*

Student:	Grade:
Teacher:	School:
Number of Competencies in Course:	2 credits–22, 3 credits-29
Number of Competencies Mastered:	
Percent of Competencies Mastered:	

STANDARD 1.0: Students will interpret and demonstrate the basic principles of safety, sterilization and sanitation as it relates to chemical services performed in cosmetology.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
1.1	Implement the safety and sanitation procedures established by state law. **			
1.2	Comply with the Department of Health Rules and the Tennessee Board of Cosmetology Rules and Regulations. **			
1.3	Distinguish the difference between safe and dangerous experimentation. ***			

STANDARD 2.0: Students will analyze procedures for cleansing and reconditioning the hair and the scalp.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
2.1.	Evaluate the chemistry of water and its relationship to cleansing agents and conditioners. **			
2.2	Differentiate between the chemical make-up of soaps, detergents, and surfactants. **			
2.3	Research and compare basic types of surfactants. **			

STANDARD 3.0: Students will create harmony using design principles and elements.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
3.1	Evaluate the chemical elements involved in the principles of hair design. **			
3.2	Evaluate chemicals used in the development of styling products. ***			
3.3	Relate styling and finishing results to the chemicals used. **			

STANDARD 4.0: Students will evaluate hands and feet for cosmetic procedures.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
4.1	Evaluate the structure and chemical make-up of the nail. **			
4.2	Examine the difference between physical and chemical change. ***			
4.3	Evaluate the purpose of a catalyst and its effects on the nail. **			
4.4	Compare solvents and solutes. **			
4.5	Evaluate the use of adhesives and primers. **			

STANDARD 5.0: Students will formulate cosmetic procedures and applications to enhance a client's appearance.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
5.1	Evaluate products based on chemical make-up for use on different types of skin. **			
5.2	Evaluate products to determine SPF (Sun Protection Factor). **			
5.3	Evaluate products to determine skin absorption factors. ***			
5.4	Examine the physical and chemical classifications of cosmetics. ***			

STANDARD 6.0: Students will evaluate basic actions of chemicals, as they relate to the cosmetology industry.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
6.1	Differentiate between sulfur, hydrogen, and disulfide bonds in the hair. ***			
6.2	Evaluate the chemical classifications of hair coloring and hair lighteners. **			
6.3	Evaluate color effects on melanin. **			
6.4	Evaluate the chemical classifications of permanent waves. ***			

STANDARD 7.0: Students will demonstrate leadership, citizenship, and teamwork skills required for success in the school, community, and workplace.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
7.1	Demonstrates dignity in work. **			
7.2	Participate in SkillsUSA-VICA as an integral part of classroom instruction. **			
7.3	Evaluate school, community, and workplace situations by applying problem-solving and decision-making skills. **			
7.4	Demonstrate the ability to work professionally with others. **			

Students will perform safety examinations and maintain safety records.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
Safety1	Pass with 100 % accuracy a written examination relating to safety issues. **			
Safety2	Pass with 100% accuracy a performance examination relating to safety. **			
Safety3	Maintain a portfolio record of written safety examinations and equipment examinations for which the student has passed an operational checkout by the instructor. **			

Additional Comments _____